

Plug and play!

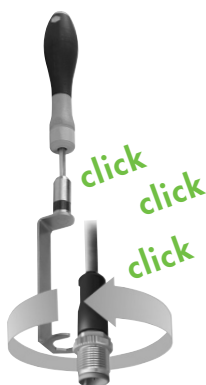
Under this term Murrelektronik has provided its customers an extensive and high quality connector program for many years.

New inputs and requirements from the automotive, assembly and packaging industry as well as from the machine tool industry are consequently integrated in our products. The high quality and flexibility make us a valued partner of industry.

Audibly sealed – simple and safe

- No more sore fingers!
- Tight connections right up to the last connector, even with fully loaded distribution boxes!
- Just turn until you hear the click!

The practical dynamometric screw driver connects all Murrelektronik M12 connectors simply and tightly, leaving no room for error.



Your benefit – our product program!

- flexible
→ **new modular connector program**
- structured
→ **new cable concept – 5 cable types in 3 different colors**
- international
→ **cAUS approved products**
- quality
→ **100 % tested connectors**
- secure, media resistant
→ **new materials and innovative technologies**

Your advantage – our flexibility and know-how!

Product innovations at round plug connectors M8/M12 – quality in every detail!



Easy connection

Coupling nut with integrated thread

Visual indication of a secure connection

Green ring is visible when coupling nut is screwed down.

Always the right cable for your application

Standardized cables in 5 cable qualities.



Variable product structure

Our new concept for your individual, custom-oriented application solution. We re-structured our connector line and made it a modular system.

The new modular product program

- Example: For your application you need the following M12 extension cable:
- M12 male straight to M12 female 90°, 4-pole (version)
 - with a halogen-free PUR-cable, UL/CSA-listed to DESINA®-norm in yellow (cable type/jacket color)
 - in 2 m cable length

How do you get to your ordering number? It's just 3 easy steps:

1 Form

The correct form is **40121**

- M12 male straight to M12 female 90°C, 4-pole

2 Cable type/jacket color

The right cable for your application in your requested jacket color:
e.g. cable type 3 in yellow **034**

- halogen-free PUR-cable with UL/CSA-listed to DESINA® norm in yellow

3 Cable length

The required cable length, e.g. 2 m **0200**

- 2 m cable length

Your article number

adds up to the following:

7000-40121-034 0200

1

2

3

Round plug connector M12

Connection cable M12 - M12

Male straight Female 90°

Approvals:

Form	No.	40101	40121	40141
Suppression/Circuit diagram	3-pole			
Contact layout				
Cable type	Jacket color	Wire diameter 0.34 mm² PVC 013 213 613 PUR/PPVC 023 223 623 PUR (UL/CSA-listed) 033 233 633 Suitable for robot cable (robotcable) 053 253 653	Jacket color yellow grey black 014 214 614 024 224 624 034 234 634 054 254 654	Jacket color yellow grey black 015 215 615 025 225 625 035 235 635 055 255 655
Cable length		0.3 m 0030 0.6 m 0060 1.0 m 0100 1.5 m 0150 2.0 m 0200		
Your article no.		7 0 0 0 - - - -		
The composition of your article number is explained on page 1.1.2		Murrelektronik Standard		
Notes		Accessories and technical data in chapter 1.10. Further cable lengths on request.		

1.3.27

The resulting part number also is the ordering number for your round plug connector. If you also need 0.6 m, 1.0 m or 1.5 m length of this part you just adjust the last 4 digits of the part number.

A new cable program for your application

Murrelektronik has an extensive cable variety for your application:

- 5 standardized cable types for your application solution → **Certainly the right cable**
- 3 cable colors (yellow, grey and black) → **Individually designed to meet your requirements**
(At products with yellow and black cables the label plate holder is not included but can be ordered individually)
- certified, application proved and successfully tested with many aggressive media (oil and lubricants) → **Quality you can rely on**



Cable type 1 – for use in normal environments

Areas of use:

Suitable for medium mechanical demands like in packaging machines, assembly- and production lines.

Features:

- stripping-off the outer jacket is very easy
- good resistance against chemicals
- not resistant against oil and lubricants
- Limited resistance to abrasion

Inexpensive cable ideally suited for a static and less demanding use



Cable type 2 – for the robust environment

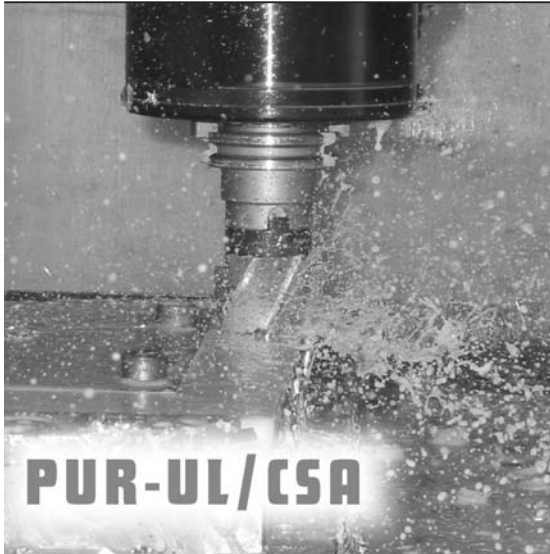
Areas of use:

Flexible control cable for higher mechanical demands inside or outside; used in handling and packaging machines, assembly lines as well as production lines.

Features:

- stripping-off the outer jacket is very easy
- good chemical resistance
- good resistance against temporary contact with oil and lubricants
- very good resistance against abrasion
- UV resistance

Inexpensive cable for a flexible use in several areas



Cable type 3 – for demanding areas

Areas of use:

Continuously flexible control cable for use in extremely demanding areas like machine tools, swivel tables and metal cutting manufacturing. If the cable is installed properly it can even be used in some drag chains, e.g. use in slow motion drag chains is possible.

Features:

- halogen- and PVC-free
- very good resistance against oil, lubricants, coolants, chemicals as well as other aggressive media
- flame retardant to VDE 0472
- withstands highly mechanical demands
- high resistance against abrasion
- hydrolysis and UV-resistant

With UL and CSA-listed



Cable type 4 – the robot cable

Areas of use:

Continuously flexible control cable for extremely demanding areas like industry robots, special welding robots, high-speed drag chains, machine tools, assembly lines, metal cutting manufacturing.

Features:

like cable type 4, but also:

- irradiated
- high temperature resistance
- resistance against welding sparks
- robot suitable